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Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

May 14, 2004

(use as many sheets as necessary)

Complete if Known

Application Number	10/718,264
Filing Date	11/21/2003
First Named Inventor	André JESTIN
Group Art Unit	1648
Examiner Name	To Be Assigned
Attorney Docket Number	042049-0105

Sheet

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of

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
AS	B1.	6,497,883		Michel et al.	12-24-2002	
	B2.	6,517,843		Albert et al.	02-11-2003	
	B3.	6,143,334		Gordon et al.	11-07-2000	
	B4.	2002/0177216		Phillip et al.	11-28-2002	
	B5.	2002/0106639		Wang et al.	08-08-2002	
	B6.	2002/0055189		Bernhardt et al.	05-09-2002	

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AS	B7.		FR 2 422 956		Institut Pasteur	11-09-1979	
	B8.		FR 2 518 755		Institut Pasteur	06-24-1983	
	B9.		WO 90/11092		Vical, Inc.	10-04-1990	
	B10.		WO 94/27238		MDS Health Group Ltd.	11-24-1994	
	B11.		WO 95/11307		Institut Pasteur	04-27-1995	
	B12.		WO 00/77188		Meril	12-21-2000	
	B13.		DE 10044648		Aventis Behring GmbH	03-21-2002	
	B14.		WO 01/96377		Purdue Research Foundation	12-20-2001	
	B15.		WO 02/102999		Univ. Melbourne	12-27-2002	

NON PATENT LITERATURE DOCUMENTS

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AS	B16.	Allan, G.M. et al., 1995, Vet. Microbiol., 44: 49-64.	
	B17.	Barany, F., 1991, PNAS. USA, 88: 189-193.	
	B18.	Liu et al., 1997, J. Gen. Virol., 78 (Pt 6), 1265-1270.	

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A3	B19.	Buckholz, R.G., 1993, Yeast systems for the expression of heterologous gene products. Curr. Op. Biotechnology 4: 538-542.		
	B20.	Burg, J.L. et al., 1996, Mol. and Cell. Probes, 10: 257-271.		
	B21.	Chu, B.C.F. et al., 1986, NAR, 14: 5591-5603.		
	B22.	Chu, P.W.G. et al., 1993, Virus Research, 27: 161-171.		
	B23.	Clark, E.G., 1997, American Association of Swine Practitioners, 499-501.		
	B24.	Daft, B. et al., 1996, American Association of Veterinary Laboratory Diagnosticians, 32.		
	B25.	Derse, D. et al., 1995, J. Virol., 69(3): 1907-1912.		
	B26.	Duck, P. et al., 1990, Biotechniques, 9: 142-147.		
	B27.	Dulac, G.C. et al., 1989, Can. J. Vet. Res., 53: 431-433.		
	B28.	Edwards, C.P., and Aruffo, A., 1993, Current applications of COS cell based transient expression systems. Curr. Op. Biotechnology 4: 558-563.		
	B29.	Edwards, S. et al., 1994, Vet. Rec., 134: 680-681.		
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	B31.	Felgner, et al., 1987, Proc. Natl. Acad. Sci., 84: 7413-7417.		
	B32.	Fontes, E.P.B. et al., 1994, J. Biol. Chem., Vol. 269, No. 11: 8459-8465.		

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		Group Art Unit	1648
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AS	B33.	Fraley et al., 1980, J. Biol. Chem., 255: 10431-10435.	
	B34.	Guateli, J.C. et al., 1990, Proc. Nat'l Acad. Sci., USA, 87: 1874-1878.	
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	B37.	Harding, J.C., 1997, American Association of Swine Practitioners, 503.	
	B38.	Harding, R.M. et al., 1993, Journal of General Virology, 74: 323-328.	
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	B43.	Huygen, K. et al., 1996, Nature Medicine, 2(8): 893-898.	
	B44.	Innis, M.A. et al., 1990, in PCR Protocols. A guide to Methods and Applications, San Diego, Academic Press.	
↓	B45.	Kaneda, et al., 1989, Science, 243: 375-378.	
	B46.	Kievitis, T. et al., 1991, J. Virol. Methods, 35: 273-286.	

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AS	B47.	Kohler, G. & Milstein, 1975, Nature, 256(5517): 495-497.	
	B48.	Kwoh, D.Y. et al., 1989, Proc. Nat'l Acad. Sci., USA, 86: 1173-1177.	
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	B51.	Luckow, V.A., 1993, Baculovirus systems for the expression of human gene products. Curr. Op. Biotechnol. 4: 564-572.	
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	B53.	McNeilly, F. et al., 1996, Vet. Immunol. Immunopathol., 49: 295-306.	
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	B60.	Pagano et al., 1967, J. Virol., 1: 891-897.	
	B61.	Rolfs, A. et al., "Usage of Polymerase Chain Reaction in Genetic and Infectious Disease" in PCR Topics, 1991, Springer-Verlag, Berlin.	

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	B71.	Walker, G.T. et al., 1992, Nucleic Acids Res. 20: 1691-1696.		
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	B73.	White, B.A. et al. Eds, "PCR Cloning Protocol" in Methods in Molecular Biology, 67, Humana Press, Towota, 1997.		
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A)	B76.	Kasahara, Noriyuki et al., 1994, "Tissue-Specific Targeting of Retroviral Vectors Through Ligan-Receptor Interactions", Science, 266: 1373-1376	
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	B82.	Cosset, Francois-Loic et al., 1995, "Retroviral Retargeting by Envelopes Expressing an N-Terminal Binding Domain", J. Virol., 69:6314-6322	
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	B86.	Derwent Abstract of French Patent Appl. No. 2422956	
	B87.	Derwent Abstract of French Patent Appl. No. 2518755	
✓	B88.	Derwent Abstract of German Patent Appl. No. 10044648	

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AS ↓		6,217,883	B1	ALLEN ET AL.	04/2001	
		6,287,856	B1	POET ET AL.	09/2001	
		6,368,601	B1	ALLEN ET AL.	04/2002	
		60/069,233		WANG ET AL.	12/11/1997	
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AS		WO	99/18214			04/15/1999		

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AS ↓		Brian M. Meehan et al., "Sequence of porcine circovirus DNA: affinities with plant circoviruses.", Journal of General Virology, vol. 78, No. 1, pp. 221-227, January 1997, XP-002068398		
		Annette Mankertz et al., "Mapping and Characterization of the Origin of DNA Replication of Porcine Circovirus.", vol. 71, No. 3, pp. 2562-2566, March 1997, XP-002078782		
		Andre L. Hamel et al., "Nucleotide Sequence of Porcine Circovirus Associated with Postweaning Multisystemic Wasting Syndrome in Pigs.", Journal of Virology, col. 72, No. 6, pp. 5262-5267, June 1998, XP-002078783		
		Brian M. Meehan et al, "Characterization of novel circovirus DNAs associated with wasting syndromes in pigs.", Journal of General Virology, vol. 79, No. 9, pp. 2171-2179, September 1998, XP-002090386		
		Igor Morozov et al., "Detection of a Novel Strain of Porcine Circovirus in Pigs with Postweaning Multisystemic Wasting Syndrome.", Journal of Clinical Microbiology, vol. 36, No. 9, pp. 2535-2541, September 1998, XP-002090921		
		G.M. Allan et al., "Isolation of porcine circovirus-like viruses from pigs with a wasting disease in the USA and Europe.", Journal of Veterinary Diagnostic Investigation, vol. 10, pp. 3-10, January 1998, XP-002068503		

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: November 21, 2003 (use as many sheets as necessary)				Complete if Known	
				Application Number	Unassigned
				Filing Date	11/21/2003
				First Named Inventor	Andre JESTIN
				Group Art Unit	1648
				Examiner Name	Unassigned
				Attorney Docket Number	065691-0336
Sheet	2	of	2		

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ⁶
AS		John Ellis et al., "Isolation of circovirus from lesions of pigs with postweaning multisystemic wasting syndrome.", Canadian Veterinary Journal, vol. 39, pp. 44-51, January 1998, XP-002068502		
		J. Ségaies et al., "First report of post-weaning multisystemic wasting syndrome in pigs in Spain.", Beterinary Record, vol. 141, No. 23, pp. 600-601, December 1997, XP-002068504		
		I. Tischer et al., "Distribution of antibodies to porcine circovirus in swing populations of different breeding farms.", Archives of Virology, vol. 140, No. 4, pp. 737-743, 1995, XP-002104704		
		AUTHOR UNKNOWN, GenBank Info on AF027217 (Revised July 5, 2002).		
		AUTHOR UNKNOWN, NCBI Sequence Revision History of AF027217 (Revised July 5, 2002).		

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

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This U.S. Application, 10/718,264, was filed on 11-21-2003, which is pending and claims the benefit of U.S. Application 09/514,245. Several other applications claim the benefit of the '245 application.

AS
U.S. Application 10/409,613 was filed on 04-09-2003, which is pending and claims the benefit of U.S. Application 09/514,245.

U.S. Application 10/637,011 was filed on 08-08-2003, which is pending and claims the benefit of U.S. Application 09/514,245.

U.S. Application 10/682,420 was filed on 10-10-2003, which is pending and claims the benefit of U.S. Application 09/514,245.

U.S. Application 10/442,180 was filed on 05-21-2003, which is pending and claims the benefit of U.S. Application 09/514,245.

U.S. Application 10/715,365 was filed on 11-19-2003, which is pending and claims the benefit of 09/514,245.

U.S. Application 10/718,266 was filed on 11-21-2003, which is pending and claims the benefit of 09/514,245.

U.S. Application 10/775,337 was filed on 02-11-2004, which is pending and claims the benefit of 09/514,245.

Listing these applications is not meant to waive the secrecy of the corresponding file history.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR § 1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.